

#4. California Coast.

D<sup>r</sup>. 4356 to D<sup>r</sup>. 4382.

H<sup>y</sup>. 4791 to H<sup>y</sup>. 4796.

Feb. 15<sup>th</sup> to 18<sup>th</sup>, 1904.

~~4~~ 4.

Dr. 4356 - Dr.

Hy. 4791 - Hy

next Hy = 4797

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

(current)

4791

Date

15 Mar. 1904

Tanner Machine.

Reel.

Turns

36

Cor. +

1

Depth

37 fms.

Shot or lead

26 lb

Bottom

fine gy. S.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

55

Surface

57

Drift

Trawl or dredge

am. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7:49. - 7:54

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Pt. Loma Light, N 31° E., 2 1/10'

OK H.C.S.		2500	(Current work.)
		2600	
		2700	CS # 5100.
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

not  
A. F. K. i

10.2.96.6

No. *D. 4356.* Date *15 Mar. 04*

Tanner Machine. Reel.

Turns *118* Cor. + *2* Depth *120 fms.*

Shot or lead *26 lb*

Bottom *sn. gy.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *57* Surface *57* Drift *(577.0 H, 1 1/10')*

Trawl or dredge *8' Trawl, Sinkers, 2 Encl. Sinks, Mud bag.*

am. SOUNDING WIRE.

am. DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*8.23.45*

*27.30*

*0*

*8.28.30*

*9.11.40*

*24.50*

*25.35*

*100*

*31.50*

*08.00*

*8.25.00*

*8.25.15*

*200*

*8.35.00*

*9.06.30*

*200*

*= 28 1/2 min*

*300*

*400*

*400*

*500*

*600*

*700*

*800*

*900*

*1000*

*1100*

*1200*

*1300*

*1400*

*1500*

*1600*

*1700*

*1800*

*1900*

*2000*

*2100*

*2200*

*2300*

*2400*

*Intermediate*

*Sounding; Trawl. Mud: 500*

*8.35.40*

*120 fms.*

*600*

*9.45.20*

*127*

*700*

*8.16.00*

*128*

*800*

*Townsend's Net,*

*100 fms down,*

*net closed:*

*9.04 to 9.11*

*= 7 min*

*Used as vertical net*

*(time is approximate)*

Pl. Loma. Light. N 82° 30' E, 5 9/10'

	2500	
	2600	
	2700	
	2800	
Course W 1/4 S	2900	h. compass
Overcast, misty and heavy dew.	3000	
Lat. air from N.E.	3100	
Bar. 30.10	3200	} Condition weather.
Therm. at 58°	3300	
Smooth sea, gentle swell.	3400	
A few porpoises,	3500	} Animal life.
numerous bottle sn.	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4356*. Date *15 Mar. 04*.*Tanner* Machine. Reel.Turns *129* Cor. + *2* Depth *131 fms.*Shot or lead *26 lb*Bottom *gn. sh.*Bottom temperature *48.2 22*No. of thermometer *98242* Cor.

Corrected temperature

Air *55* Surface *57* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.04.40</i>	<i>9.11.40</i>	0		
<i>05.20</i>		100		
<i>9.06.30</i>	<i>9.09.30</i>	<i>129</i> <del>200</del>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



81C  
 8100.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4357* Date *15 Mar. 04.*

Tanner Machine. Reel.

Turns *132* Cor. + *2* Depth *134 fms.*Shot or lead *26 lb*Bottom *gn. M.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *55°* Surface *58°* Drift *N 83° W*  
*7/10'*Trawl or dredge *as before.*

## Am. SOUNDING WIRE.

DOWN.	UP.	TURNS.
<i>9.18.20</i>	<i>9.23.00</i>	0
<i>19.20</i>	<i>20.40</i>	100
<i>9.19.55</i>	<i>9.20.10</i>	132
		200
		250
		300
		400
		500
<i>9.33.00</i>	<i>142 fms.</i>	600
<i>9.45.00</i>	<i>156 "</i>	700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
<i>Surface Net:</i>		1600
<i>9.32.15</i>	<i>9.53.15</i>	1700
<i>= 21 min.</i>		1800
		1900
<i>Townsend's Saffrosin</i>		2000
<i>as Vertical Net,</i>		2100
<i>100 fms.</i>		2200
<i>9.56.00</i>	<i>10.03.20</i>	2300
<i>7 min.</i>		2400

## Am. DREDGE ROPE.

DOWN.	UP.
<i>9.18.10</i>	<i>10.01.15</i>
	<i>58.50</i>
<i>9.25.00</i>	<i>54.20</i>
<i>4.20</i>	<i>53.30</i>
<i>= 28 min</i>	

St. Louis Light. N 81° E, 7<sup>5</sup>/<sub>10</sub>'

	2500	
gk 51	2600	
2700		
Canise W 1/2 N, by p. l. compass (by N.)	2800	
Overcast and misty.	2900	
Lt. air from S. E.	3000	
Bar. 30.11	3100	
Therm. air. 57.5	3200	
Smooth sea, gentle	3300	Good.
Numerous shells.	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4257* Date *15 Mar 84*

*Tanner* Machine. Reel.

Turns *153* Cor. + *2* Depth *155 fms.*

Shot or lead *26 1/2*

Bottom *gn. M.*

Bottom temperature *46.8*

No. of thermometer *98 2 1/2* Cor.

Corrected temperature

Air *57* Surface *57* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.56.20</i>	<i>10.03.20</i>	0		
<i>57.00</i>	<i>01.50</i>	100		
<i>0.57.20</i>	<i>10.00.20</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *507* *4356* Date *15 May 1911**T.M.* Machine. Reel.Turns *165* Cor. + *2* Depth *167*Shot or lead *26 lb*Bottom *sn. M.*Bottom temperature *—*No. of thermometer *—* Cor. *—*Corrected temperature *—* (*36.0° N*)Air *57* Surface *59* Drift *9/10'*Trawl or dredge *as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10 10</i>	<i>10.08.15</i>	0	<i>10.08.15</i>	<i>10.55.00</i>
	<i>10.10.00</i>	100		
<i>10-11</i>		200	<i>15.30</i>	
		250	<i>10.17.00</i>	<i>10.45.00</i>
		300		
		400		<i>28 min.</i>
		500		
		600		
		700		
		800		
		900	<i>10 47</i>	
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700	<i>Tap. Made.</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Off Loma Light, N 82° 30' W, 8 2/10'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns  $\times$ ) Cor. +Depth  $\times$ )~~Shot or lead~~ 36 lb

Bottom

Bottom temperature

48.9°

No. of thermometer

98242

Cor.

Corrected temperature

Air

57

Surface

60

Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.46.40

10.51.50

0

10.47.30

10.52.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

x) Let down 9' 30"

100 fms. for

9' 30"

48.9°



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 45* Date *157* *10.11*  
*Sigsbee* Machine. Reel.  
 Turns *17* Cor. + *16* Depth *1*  
 Shot or lead *36*  
 Bottom *on. 14.*  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air *57* Surface *60* Drift  
 Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.50.00</i>	<i>10.50.00</i>	0		
	<i>55.00</i>	100		
<i>10.55.00</i>	<i>10.55.00</i>	<i>17</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

411	17.5	2500	
175	18.4	2600	
3237	18.6	2700	
	17.5	2800	
OK	19.1	2900	
5000		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
	17.5	3900	
	19.4	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Di 4359*. Date *15 July 1904**Sigsbee* Machine. Reel.Turns *175* Cor. + *16*Depth *191*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *5000* Cor.Corrected temperature *15*Air *59* Surface *60* Drift *1/2 N 1/2 W*Trawl or dredge *no*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*10-55*

0

*11.00* *E 4359*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4000

REMARKS:

No. *4359* Date

Machine. Reel.

Turns *89* Cor. + *9* Depth *fma*Shot or lead *36 lb*Bottom *S. S. m.*

Bottom temperature

No. of thermometer *98* Cor.

Corrected temperature

Air *77* Surface Drift

Trawl or dredge.

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

*37*  
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*OK*  
*500*  
*500*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*(Handwritten notes at top of page)*

No. *Dr* 4360 Date *15. 68*

Tanner Machine. Reel.

Turns *10* Cor. + *2* Depth *105*

Shot or lead *26 lbs* *95*

Bottom *R* *94*

Bottom temperature

No. of thermometer *not* Cor.

Corrected temperature

Air *68°* Surface *66°* Drift *NE 1/4 10'*

Trawl or dredge *8 T. & M. dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1. 06. 00</i>	<i>1. 17. 00</i>	0	<i>1. 06. 00</i>	<i>1. 17. 00</i>
<i>1. 06. 00</i>	<i>1. 15. 00</i>	100	<i>1. 10. 00</i>	<i>1. 10. 00</i>
		150	<i>1. 12. 00</i>	<i>1. 10. 00</i>
		200		
<i>1. 14. 00</i>	<i>1. 17. 00</i>	300	<i>7</i>	
<i>1. 15. 00</i>	<i>1. 15. 00</i>	400		
<i>93 + 2 = 95</i>	<i>95</i>	500		
		600		
<i>1. 14. 00</i>	<i>1. 27. 00</i>	700		
<i>1. 15. 00</i>	<i>1. 25. 00</i>	800	<i>1. 30 - 100</i>	
		900	<i>1. 30</i>	
		1000		
<i>1. 20. 00</i>	<i>1. 21. 00</i>	1100		
<i>1. 25. 00</i>	<i>1. 25. 00</i>	1200		
<i>90 + 1 = 92</i>	<i>92</i>	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Pt. Loma Light, N 86° 20' E., 9 <sup>4</sup>/<sub>10</sub>'

	2500	
3	2600	18", 2600
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D, 11201* Date *June 15, 1901*

Tanner *Machine.* Reel *1*

Turns *95* Cor. + *2* Depth *97*

~~Shot~~ or lead *26 lb* *91*

Bottom *fine gy S* *92*

Bottom temperature *97*

No. of thermometer *1001* Cor.

Corrected temperature *59.7*

Air *64* Surface *64* Drift *5/10'*

Trawl or dredge *8' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.42.30</i>	<i>1.42.30</i>	0	<i>6.00</i>	<i>2.10.30</i>
<i>1.45.30</i>	<i>1.45.30</i>	100	<i>7.40</i>	<i>1.45.30</i>
<i>1.50.00</i>	<i>1.50.00</i>	200	<i>1.51.00</i>	<i>2.00.00</i>
<i>1.54.30</i>	<i>1.54.30</i>	300	<i>Time 15 1/2'</i>	
<i>1.59.00</i>	<i>1.59.00</i>	400	<i>Swift Tow</i>	
<i>2.03.30</i>	<i>2.03.30</i>	500	<i>over at</i>	<i>1.58.00</i>
<i>2.08.00</i>	<i>2.08.00</i>	600	<i>see at</i>	<i>2.00.00</i>
<i>2.12.30</i>	<i>2.12.30</i>	700	<i>Time 15 1/2'</i>	<i>7.00</i>
<i>2.17.00</i>	<i>2.17.00</i>	800	<i>Swift Tow</i>	
<i>2.21.30</i>	<i>2.21.30</i>	900		
<i>2.26.00</i>	<i>2.26.00</i>	1000		
<i>2.30.30</i>	<i>2.30.30</i>	1100		
<i>2.35.00</i>	<i>2.35.00</i>	1200		
<i>2.39.30</i>	<i>2.39.30</i>	1300		
<i>2.44.00</i>	<i>2.44.00</i>	1400		
<i>2.48.30</i>	<i>2.48.30</i>	1500		
<i>2.53.00</i>	<i>2.53.00</i>	1600		
<i>2.57.30</i>	<i>2.57.30</i>	1700		
<i>3.02.00</i>	<i>3.02.00</i>	1800		
<i>3.06.30</i>	<i>3.06.30</i>	1900		
<i>3.11.00</i>	<i>3.11.00</i>	2000		
<i>3.15.30</i>	<i>3.15.30</i>	2100		
<i>3.20.00</i>	<i>3.20.00</i>	2200		
<i>3.24.30</i>	<i>3.24.30</i>	2300		
<i>3.29.00</i>	<i>3.29.00</i>	2400		

St. Louis Light, N 87° E, 9 9/10.

<p><i>St. Louis Light</i> <i>as 4300</i></p>	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4361* Date *Mar. 15. 04*

Tanner Machine. Reel.

Turns *99* Cor. + *2* Depth *101 fms*

~~Shot~~ or lead *26 lbs*

Bottom *bk. Sp, fuzzy S & R*

Bottom temperature

No. of thermometer ~~not used~~ Cor.

Corrected temperature

Air *64°* Surface *64°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2. 24. 00* *2. 27. 00*

*2. 25. 30* *2. 27. 30*

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3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NÓ. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4362 Date Mar. 15. 04

Machine. Reel.

Turns 92 Cor. + 2 Depth 100

Shot or lead 36 lb 107

Bottom gy S gy 159

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 64° Surface 60° Drift (S 27° W 18/10'

Trawl or dredge 8' 1/2' 11' 1/2' 14' 1/2' 17' 1/2' 20' 1/2' 23' 1/2' 26' 1/2' 29' 1/2' 32' 1/2' 35' 1/2' 38' 1/2' 41' 1/2' 44' 1/2' 47' 1/2' 50' 1/2' 53' 1/2' 56' 1/2' 59' 1/2' 62' 1/2' 65' 1/2' 68' 1/2' 71' 1/2' 74' 1/2' 77' 1/2' 80' 1/2' 83' 1/2' 86' 1/2' 89' 1/2' 92' 1/2' 95' 1/2' 98' 1/2' 101' 1/2' 104' 1/2' 107' 1/2' 110' 1/2' 113' 1/2' 116' 1/2' 119' 1/2' 122' 1/2' 125' 1/2' 128' 1/2' 131' 1/2' 134' 1/2' 137' 1/2' 140' 1/2' 143' 1/2' 146' 1/2' 149' 1/2' 152' 1/2' 155' 1/2' 158' 1/2' 161' 1/2' 164' 1/2' 167' 1/2' 170' 1/2' 173' 1/2' 176' 1/2' 179' 1/2' 182' 1/2' 185' 1/2' 188' 1/2' 191' 1/2' 194' 1/2' 197' 1/2' 200' 1/2' 203' 1/2' 206' 1/2' 209' 1/2' 212' 1/2' 215' 1/2' 218' 1/2' 221' 1/2' 224' 1/2' 227' 1/2' 230' 1/2' 233' 1/2' 236' 1/2' 239' 1/2' 242' 1/2' 245' 1/2' 248' 1/2' 251' 1/2' 254' 1/2' 257' 1/2' 260' 1/2' 263' 1/2' 266' 1/2' 269' 1/2' 272' 1/2' 275' 1/2' 278' 1/2' 281' 1/2' 284' 1/2' 287' 1/2' 290' 1/2' 293' 1/2' 296' 1/2' 299' 1/2' 302' 1/2' 305' 1/2' 308' 1/2' 311' 1/2' 314' 1/2' 317' 1/2' 320' 1/2' 323' 1/2' 326' 1/2' 329' 1/2' 332' 1/2' 335' 1/2' 338' 1/2' 341' 1/2' 344' 1/2' 347' 1/2' 350' 1/2' 353' 1/2' 356' 1/2' 359' 1/2' 362' 1/2' 365' 1/2' 368' 1/2' 371' 1/2' 374' 1/2' 377' 1/2' 380' 1/2' 383' 1/2' 386' 1/2' 389' 1/2' 392' 1/2' 395' 1/2' 398' 1/2' 401' 1/2' 404' 1/2' 407' 1/2' 410' 1/2' 413' 1/2' 416' 1/2' 419' 1/2' 422' 1/2' 425' 1/2' 428' 1/2' 431' 1/2' 434' 1/2' 437' 1/2' 440' 1/2' 443' 1/2' 446' 1/2' 449' 1/2' 452' 1/2' 455' 1/2' 458' 1/2' 461' 1/2' 464' 1/2' 467' 1/2' 470' 1/2' 473' 1/2' 476' 1/2' 479' 1/2' 482' 1/2' 485' 1/2' 488' 1/2' 491' 1/2' 494' 1/2' 497' 1/2' 500' 1/2' 503' 1/2' 506' 1/2' 509' 1/2' 512' 1/2' 515' 1/2' 518' 1/2' 521' 1/2' 524' 1/2' 527' 1/2' 530' 1/2' 533' 1/2' 536' 1/2' 539' 1/2' 542' 1/2' 545' 1/2' 548' 1/2' 551' 1/2' 554' 1/2' 557' 1/2' 560' 1/2' 563' 1/2' 566' 1/2' 569' 1/2' 572' 1/2' 575' 1/2' 578' 1/2' 581' 1/2' 584' 1/2' 587' 1/2' 590' 1/2' 593' 1/2' 596' 1/2' 599' 1/2' 602' 1/2' 605' 1/2' 608' 1/2' 611' 1/2' 614' 1/2' 617' 1/2' 620' 1/2' 623' 1/2' 626' 1/2' 629' 1/2' 632' 1/2' 635' 1/2' 638' 1/2' 641' 1/2' 644' 1/2' 647' 1/2' 650' 1/2' 653' 1/2' 656' 1/2' 659' 1/2' 662' 1/2' 665' 1/2' 668' 1/2' 671' 1/2' 674' 1/2' 677' 1/2' 680' 1/2' 683' 1/2' 686' 1/2' 689' 1/2' 692' 1/2' 695' 1/2' 698' 1/2' 701' 1/2' 704' 1/2' 707' 1/2' 710' 1/2' 713' 1/2' 716' 1/2' 719' 1/2' 722' 1/2' 725' 1/2' 728' 1/2' 731' 1/2' 734' 1/2' 737' 1/2' 740' 1/2' 743' 1/2' 746' 1/2' 749' 1/2' 752' 1/2' 755' 1/2' 758' 1/2' 761' 1/2' 764' 1/2' 767' 1/2' 770' 1/2' 773' 1/2' 776' 1/2' 779' 1/2' 782' 1/2' 785' 1/2' 788' 1/2' 791' 1/2' 794' 1/2' 797' 1/2' 800' 1/2' 803' 1/2' 806' 1/2' 809' 1/2' 812' 1/2' 815' 1/2' 818' 1/2' 821' 1/2' 824' 1/2' 827' 1/2' 830' 1/2' 833' 1/2' 836' 1/2' 839' 1/2' 842' 1/2' 845' 1/2' 848' 1/2' 851' 1/2' 854' 1/2' 857' 1/2' 860' 1/2' 863' 1/2' 866' 1/2' 869' 1/2' 872' 1/2' 875' 1/2' 878' 1/2' 881' 1/2' 884' 1/2' 887' 1/2' 890' 1/2' 893' 1/2' 896' 1/2' 899' 1/2' 902' 1/2' 905' 1/2' 908' 1/2' 911' 1/2' 914' 1/2' 917' 1/2' 920' 1/2' 923' 1/2' 926' 1/2' 929' 1/2' 932' 1/2' 935' 1/2' 938' 1/2' 941' 1/2' 944' 1/2' 947' 1/2' 950' 1/2' 953' 1/2' 956' 1/2' 959' 1/2' 962' 1/2' 965' 1/2' 968' 1/2' 971' 1/2' 974' 1/2' 977' 1/2' 980' 1/2' 983' 1/2' 986' 1/2' 989' 1/2' 992' 1/2' 995' 1/2' 998' 1/2' 1001' 1/2' 1004' 1/2' 1007' 1/2' 1010' 1/2' 1013' 1/2' 1016' 1/2' 1019' 1/2' 1022' 1/2' 1025' 1/2' 1028' 1/2' 1031' 1/2' 1034' 1/2' 1037' 1/2' 1040' 1/2' 1043' 1/2' 1046' 1/2' 1049' 1/2' 1052' 1/2' 1055' 1/2' 1058' 1/2' 1061' 1/2' 1064' 1/2' 1067' 1/2' 1070' 1/2' 1073' 1/2' 1076' 1/2' 1079' 1/2' 1082' 1/2' 1085' 1/2' 1088' 1/2' 1091' 1/2' 1094' 1/2' 1097' 1/2' 1100' 1/2' 1103' 1/2' 1106' 1/2' 1109' 1/2' 1112' 1/2' 1115' 1/2' 1118' 1/2' 1121' 1/2' 1124' 1/2' 1127' 1/2' 1130' 1/2' 1133' 1/2' 1136' 1/2' 1139' 1/2' 1142' 1/2' 1145' 1/2' 1148' 1/2' 1151' 1/2' 1154' 1/2' 1157' 1/2' 1160' 1/2' 1163' 1/2' 1166' 1/2' 1169' 1/2' 1172' 1/2' 1175' 1/2' 1178' 1/2' 1181' 1/2' 1184' 1/2' 1187' 1/2' 1190' 1/2' 1193' 1/2' 1196' 1/2' 1199' 1/2' 1202' 1/2' 1205' 1/2' 1208' 1/2' 1211' 1/2' 1214' 1/2' 1217' 1/2' 1220' 1/2' 1223' 1/2' 1226' 1/2' 1229' 1/2' 1232' 1/2' 1235' 1/2' 1238' 1/2' 1241' 1/2' 1244' 1/2' 1247' 1/2' 1250' 1/2' 1253' 1/2' 1256' 1/2' 1259' 1/2' 1262' 1/2' 1265' 1/2' 1268' 1/2' 1271' 1/2' 1274' 1/2' 1277' 1/2' 1280' 1/2' 1283' 1/2' 1286' 1/2' 1289' 1/2' 1292' 1/2' 1295' 1/2' 1298' 1/2' 1301' 1/2' 1304' 1/2' 1307' 1/2' 1310' 1/2' 1313' 1/2' 1316' 1/2' 1319' 1/2' 1322' 1/2' 1325' 1/2' 1328' 1/2' 1331' 1/2' 1334' 1/2' 1337' 1/2' 1340' 1/2' 1343' 1/2' 1346' 1/2' 1349' 1/2' 1352' 1/2' 1355' 1/2' 1358' 1/2' 1361' 1/2' 1364' 1/2' 1367' 1/2' 1370' 1/2' 1373' 1/2' 1376' 1/2' 1379' 1/2' 1382' 1/2' 1385' 1/2' 1388' 1/2' 1391' 1/2' 1394' 1/2' 1397' 1/2' 1400' 1/2' 1403' 1/2' 1406' 1/2' 1409' 1/2' 1412' 1/2' 1415' 1/2' 1418' 1/2' 1421' 1/2' 1424' 1/2' 1427' 1/2' 1430' 1/2' 1433' 1/2' 1436' 1/2' 1439' 1/2' 1442' 1/2' 1445' 1/2' 1448' 1/2' 1451' 1/2' 1454' 1/2' 1457' 1/2' 1460' 1/2' 1463' 1/2' 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1739' 1/2' 1742' 1/2' 1745' 1/2' 1748' 1/2' 1751' 1/2' 1754' 1/2' 1757' 1/2' 1760' 1/2' 1763' 1/2' 1766' 1/2' 1769' 1/2' 1772' 1/2' 1775' 1/2' 1778' 1/2' 1781' 1/2' 1784' 1/2' 1787' 1/2' 1790' 1/2' 1793' 1/2' 1796' 1/2' 1799' 1/2' 1802' 1/2' 1805' 1/2' 1808' 1/2' 1811' 1/2' 1814' 1/2' 1817' 1/2' 1820' 1/2' 1823' 1/2' 1826' 1/2' 1829' 1/2' 1832' 1/2' 1835' 1/2' 1838' 1/2' 1841' 1/2' 1844' 1/2' 1847' 1/2' 1850' 1/2' 1853' 1/2' 1856' 1/2' 1859' 1/2' 1862' 1/2' 1865' 1/2' 1868' 1/2' 1871' 1/2' 1874' 1/2' 1877' 1/2' 1880' 1/2' 1883' 1/2' 1886' 1/2' 1889' 1/2' 1892' 1/2' 1895' 1/2' 1898' 1/2' 1901' 1/2' 1904' 1/2' 1907' 1/2' 1910' 1/2' 1913' 1/2' 1916' 1/2' 1919' 1/2' 1922' 1/2' 1925' 1/2' 1928' 1/2' 1931' 1/2' 1934' 1/2' 1937' 1/2' 1940' 1/2' 1943' 1/2' 1946' 1/2' 1949' 1/2' 1952' 1/2' 1955' 1/2' 1958' 1/2' 1961' 1/2' 1964' 1/2' 1967' 1/2' 1970' 1/2' 1973' 1/2' 1976' 1/2' 1979' 1/2' 1982' 1/2' 1985' 1/2' 1988' 1/2' 1991' 1/2' 1994' 1/2' 1997' 1/2' 2000' 1/2' 2003' 1/2' 2006' 1/2' 2009' 1/2' 2012' 1/2' 2015' 1/2' 2018' 1/2' 2021' 1/2' 2024' 1/2' 2027' 1/2' 2030' 1/2' 2033' 1/2' 2036' 1/2' 2039' 1/2' 2042' 1/2' 2045' 1/2' 2048' 1/2' 2051' 1/2' 2054' 1/2' 2057' 1/2' 2060' 1/2' 2063' 1/2' 2066' 1/2' 2069' 1/2' 2072' 1/2' 2075' 1/2' 2078' 1/2' 2081' 1/2' 2084' 1/2' 2087' 1/2' 2090' 1/2' 2093' 1/2' 2096' 1/2' 2099' 1/2' 2102' 1/2' 2105' 1/2' 2108' 1/2' 2111' 1/2' 2114' 1/2' 2117' 1/2' 2120' 1/2' 2123' 1/2' 2126' 1/2' 2129' 1/2' 2132' 1/2' 2135' 1/2' 2138' 1/2' 2141' 1/2' 2144' 1/2' 2147' 1/2' 2150' 1/2' 2153' 1/2' 2156' 1/2' 2159' 1/2' 2162' 1/2' 2165' 1/2' 2168' 1/2' 2171' 1/2' 2174' 1/2' 2177' 1/2' 2180' 1/2' 2183' 1/2' 2186' 1/2' 2189' 1/2' 2192' 1/2' 2195' 1/2' 2198' 1/2' 2201' 1/2' 2204' 1/2' 2207' 1/2' 2210' 1/2' 2213' 1/2' 2216' 1/2' 2219' 1/2' 2222' 1/2' 2225' 1/2' 2228' 1/2' 2231' 1/2' 2234' 1/2' 2237' 1/2' 2240' 1/2' 2243' 1/2' 2246' 1/2' 2249' 1/2' 2252' 1/2' 2255' 1/2' 2258' 1/2' 2261' 1/2' 2264' 1/2' 2267' 1/2' 2270' 1/2' 2273' 1/2' 2276' 1/2' 2279' 1/2' 2282' 1/2' 2285' 1/2' 2288' 1/2' 2291' 1/2' 2294' 1/2' 2297' 1/2' 2300' 1/2' 2303' 1/2' 2306' 1/2' 2309' 1/2' 2312' 1/2' 2315' 1/2' 2318' 1/2' 2321' 1/2' 2324' 1/2' 2327' 1/2' 2330' 1/2' 2333' 1/2' 2336' 1/2' 2339' 1/2' 2342' 1/2' 2345' 1/2' 2348' 1/2' 2351' 1/2' 2354' 1/2' 2357' 1/2' 2360' 1/2' 2363' 1/2' 2366' 1/2' 2369' 1/2' 2372' 1/2' 2375' 1/2' 2378' 1/2' 2381' 1/2' 2384' 1/2' 2387' 1/2' 2390' 1/2' 2393' 1/2' 2396' 1/2' 2399' 1/2' 2402' 1/2' 2405' 1/2' 2408' 1/2' 2411' 1/2' 2414' 1/2' 2417' 1/2' 2420' 1/2' 2423' 1/2' 2426' 1/2' 2429' 1/2' 2432' 1/2' 2435' 1/2' 2438' 1/2' 2441' 1/2' 2444' 1/2' 2447' 1/2' 2450' 1/2' 2453' 1/2' 2456' 1/2' 2459' 1/2' 2462' 1/2' 2465' 1/2' 2468' 1/2' 2471' 1/2' 2474' 1/2' 2477' 1/2' 2480' 1/2' 2483' 1/2' 2486' 1/2' 2489' 1/2' 2492' 1/2' 2495' 1/2' 2498' 1/2' 2501' 1/2' 2504' 1/2' 2507' 1/2' 2510' 1/2' 2513' 1/2' 2516' 1/2' 2519' 1/2' 2522' 1/2' 2525' 1/2' 2528' 1/2' 2531' 1/2' 2534' 1/2' 2537' 1/2' 2540' 1/2' 2543' 1/2' 2546' 1/2' 2549' 1/2' 2552' 1/2' 2555' 1/2' 2558' 1/2' 2561' 1/2' 2564' 1/2' 2567' 1/2' 2570' 1/2' 2573' 1/2' 2576' 1/2' 2579' 1/2' 2582' 1/2' 2585' 1/2' 2588' 1/2' 2591' 1/2' 2594' 1/2' 2597' 1/2' 2600' 1/2' 2603' 1/2' 2606' 1/2' 2609' 1/2' 2612' 1/2' 2615' 1/2' 2618' 1/2' 2621' 1/2' 2624' 1/2' 2627' 1/2' 2630' 1/2' 2633' 1/2' 2636' 1/2' 2639' 1/2' 2642' 1/2' 2645' 1/2' 2648' 1/2' 2651' 1/2' 2654' 1/2' 2657' 1/2' 2660' 1/2' 2663' 1/2' 2666' 1/2' 2669' 1/2' 2672' 1/2' 2675' 1/2' 2678' 1/2' 2681' 1/2' 2684' 1/2' 2687' 1/2' 2690' 1/2' 2693' 1/2' 2696' 1/2' 2699' 1/2' 2702' 1/2' 2705' 1/2' 2708' 1/2' 2711' 1/2' 2714' 1/2' 2717' 1/2' 2720' 1/2' 2723' 1/2' 2726' 1/2' 2729' 1/2' 2732' 1/2' 2735' 1/2' 2738' 1/2' 2741' 1/2' 2744' 1/2' 2747' 1/2' 2750' 1/2' 2753' 1/2' 2756' 1/2' 2759' 1/2' 2762' 1/2' 2765' 1/2' 2768' 1/2' 2771' 1/2' 2774' 1/2' 2777' 1/2' 2780' 1/2' 2783' 1/2' 2786' 1/2' 2789' 1/2' 2792' 1/2' 2795' 1/2' 2798' 1/2' 2801' 1/2' 2804' 1/2' 2807' 1/2' 2810' 1/2' 2813' 1/2' 2816' 1/2' 2819' 1/2' 2822' 1/2' 2825' 1/2' 2828' 1/2' 2831' 1/2' 2834' 1/2' 2837' 1/2' 2840' 1/2' 2843' 1/2' 2846' 1/2' 2849' 1/2' 2852' 1/2' 2855' 1/2' 2858' 1/2' 2861' 1/2' 2864' 1/2' 2867' 1/2' 2870' 1/2' 2873' 1/2' 2876' 1/2' 2879' 1/2' 2882' 1/2' 2885' 1/2' 2888' 1/2' 2891' 1/2' 2894' 1/2' 2897' 1/2' 2900' 1/2' 2903' 1/2' 2906' 1/2' 2909' 1/2' 2912' 1/2' 2915' 1/2' 2918' 1/2' 2921' 1/2' 2924' 1/2' 2927' 1/2' 2930' 1/2' 2933' 1/2' 2936' 1/2' 2939' 1/2' 2942' 1/2' 2945' 1/2' 2948' 1/2' 2951' 1/2' 2954' 1/2' 2957' 1/2' 2960' 1/2' 2963' 1/2' 2966' 1/2' 2969' 1/2' 2972' 1/2' 2975' 1/2' 2978' 1/2' 2981' 1/2' 2984' 1/2' 2987' 1/2' 2990' 1/2' 2993' 1/2' 2996' 1/2' 2999' 1/2' 3002' 1/2' 3005' 1/2' 3008' 1/2' 3011' 1/2' 3014' 1/2' 3017' 1/2' 3020' 1/2' 3023' 1/2' 3026' 1/2' 3029' 1/2' 3032' 1/2' 3035' 1/2' 3038' 1/2' 3041' 1/2' 3044' 1/2' 3047' 1/2' 3050' 1/2' 3053' 1/2' 3056' 1/2' 3059' 1/2' 3062' 1/2' 3065' 1/2' 3068' 1/2' 3071' 1/2' 3074' 1/2' 3077' 1/2' 3080' 1/2' 3083' 1/2' 3086' 1/2' 3089' 1/2' 3092' 1/2' 3095' 1/2' 3098' 1/2' 3101' 1/2' 3104' 1/2' 3107' 1/2' 3110' 1/2' 3113' 1/2' 3116' 1/2' 3119' 1/2' 3122' 1/2' 3125' 1/2' 3128' 1/2' 3131' 1/2' 3134' 1/2' 3137' 1/2' 3140' 1/2' 3143' 1/2' 3146' 1/2' 3149' 1/2' 3152' 1/2' 3155' 1/2' 3158' 1/2' 3161' 1/2' 3164' 1/2' 3167' 1/2' 3170' 1/2' 3173' 1/2' 3176' 1/2' 3179' 1/2' 3182' 1/2' 3185' 1/2' 3188' 1/2' 3191' 1/2' 3194' 1/2' 3197' 1/2' 3200' 1/2' 3203' 1/2' 3206' 1/2' 3209' 1/2' 3212' 1/2' 3215' 1/2' 3218' 1/2' 3221' 1/2' 3224' 1/2' 3227' 1/2' 3230' 1/2' 3233' 1/2' 3236' 1/2' 3239' 1/2' 3242' 1/2' 3245' 1/2' 3248' 1/2' 3251' 1/2' 3254' 1/2' 3257' 1/2' 3260' 1/2' 3263' 1/2' 3266' 1/2' 3269' 1/2' 3272' 1/2' 3275' 1/2' 3278' 1/2' 3281' 1/2' 3284' 1/2' 3287' 1/2' 3290' 1/2' 3293' 1/2' 3296' 1/2' 3299' 1/2' 3302' 1/2' 3305' 1/2' 3308' 1/2' 3311' 1/2' 3314' 1/2' 3317' 1/2' 3320' 1/2' 3323' 1/2' 3326' 1/2' 3329' 1/2' 3332' 1/2' 3335' 1/2' 3338' 1/2' 3341' 1/2' 3344' 1/2' 3347' 1/2' 3350' 1/2' 3353' 1/2' 3356' 1/2' 3359' 1/2' 3362' 1

St. Louis Light, N 89° 30' E, 10 2/10'

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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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1000				

REMARKS:

No. *D 4363*Date *Aug. 15 '00**Tanner* Machine. Reel.Turns *204* Cor. + *3*Depth *207*Shot or lead *35 lb. 4 3/4* *273*Bottom *fine g. s.* *315 "*Bottom temperature *315 fms = 42.8*No. of thermometer *98442* Cor.

Corrected temperature

Air *64* Surface *60* Drift *(S 55° W)*Tide or dredge *8/10'*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*3. 25. 00**3. 26. 00**0**100**200**300**400**450**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**3. 25. 00**3. 26. 00**0**100**200**300**400**450**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**3. 32. 00**3. 32. 00**290 + 25 = 315**315**Therm. 98**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8**Temp. 42.8**42.8*



St. Louis Light, N 81° E, 11 1/10'

	2500	
	2600	
16	2700	
16	2800	
16	2900	
16	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
16	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. \_\_\_\_\_

Date

Mar. 15. '04

Sigsbee

Machine.

Reel.

Turns 304 Cor. +

26

Depth

330

Shot or lead

36 lbs

Bottom

gn M + R

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

64°

Surface

65°

Drift

~~Trawl or dredge~~

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.38	31.44	0		
5.40	31.41	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

6112	185	2500		
314	154	2600		
3508	36	2700		
314	314	2800		
314	330	2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E 4363* Date *March 15 1904*  
*Sigsbee* Machine. Reel.  
 Turns *320* Cor. + *28* Depth *348 fms*  
 Shot or lead *36 lbs*  
 Bottom *gn M*  
 Bottom temperature  
 No. of thermometer *not used* Cor.  
 Corrected temperature  
 Air *64°* Surface *60°* Drift  
~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.47.30</i>	<i>3.47.30</i>	0		
<i>3.47.30</i>	<i>3.47.30</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500	
320	157	2600	
3792	28	2700	
	320	2800	
	348	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

D. 4564

Date

16

Tanner Machine. Reel.

Turns 99 Cor. + 2 Depth 101 fms.

Shot or lead 26 lb

Bottom 1 kg. gy/s

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 65 Surface Drift

Trawl or dredge 8' Trawl Muddy

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

8.45.00 8.46.10

0

8.45.15 9.19.00

8.46.20 8.47.30

100

15.30

150

8.50.00 9.14.00

200

= 24 min.

300

Tanner

400

Tanner

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9.00:00 - 118 fms

9.05:00 - 125 fms

Lg. Tanner

125 fms

9.12 - 9.10

1 min.

St. Louis Light, Sept 8, 1870

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

16 May 04

Tanner Machine.

Reel.

Turns 104 Cor. + 2

Depth 106 fms.

Shot or lead 26 lb

Bottom fine gy S.

Bottom temperature

50.0

No. of thermometer

98242

Cor.

Corrected temperature

Air

62

Surface

59

Drift

Trawl or dredge

am SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.49.00

8.55.15

0

9.52.30

4.53.30

100

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date 16 / 7 / 1911.

Machine. Reel.

Turns 127 Cor. +

Depth 127 fms

Shot or lead 26

Bottom

G. M.

Bottom temperature

48°

No. of thermometer

98242 Cor.

Corrected temperature

Air

63

Surface

59

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.11.50 9.15.50  
 12.40 16.20  
 9.12.00 9.15.00

0

100

127

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tanner Machine.

Reel.

Turns 128 Cor. +

Depth 128 fms.

Shot or lead 26 lb

Bottom gn. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 63 Surface 57

Drift

Trawl or dredge

no bottom

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

9.25.00 9.28.00  
 25.00 25.00  
 25.30 4.26.00  
 149 fms.  
 150.00 1.59 min.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9.27.00 10.01.00  
 30.00  
 9.24.00 10.00.00  
 2.20 min.

H. Lame Light, S 81° E., 6 2/10'

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4365.* Date *16 Mar. 04*

*Sigsbee* Machine. Reel.

Turns *14* Cor. + *14* Depth *15 fms*

Shot or lead *36 lb*

Bottom *gn. M.*

Bottom temperature *47.2*

No. of thermometer *99242* Cor.

Corrected temperature

Air *71* Surface *57* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*9.59.45* *10.04.30*

*57.35* *03.40*

*10.00.10* *10.03.10*

0

100

*144*

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4112	185	2500
144	171	2600
3968	14	2700
00	144	2800
100	158	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

not  
Arch

No. 4366 Date 16 Dec. 04

Sigsbee Machine. Reel.

Turns Cor. + Depth 176 fms.

Shot or lead

Bottom gn M

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 71 Surface 7 Drift (N 84° W 8' 10')

Trawl or dredge no dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:12:00	176 fms	0	10:06:50	10:41:30
10:13:00	182	100	08:45	
10:14:00	181	200	12:20	
		300	10:14:30	
		400	2:10	10:34:30
		500	= 24	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



OK  
J. C. 17

Per. 11

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1111* Date *10/1/04*

Sigsbee Machine. Reel.

Turns *166* Cor. + *15* Depth *181*Shot or lead *36 lb*Bottom *gy. sh.*Bottom temperature *46.00*No. of thermometer *98242* Cor.

Corrected temperature

Air *71* Surface *59* Drift~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.24.45</i>	<i>10.40.5</i>	0		
<i>35.40</i>	<i>40.00</i>	100		
<i>10.26.20</i>	<i>10.29.20</i>	160		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500	
162	170	2600	
3746	15	2700	
	166	2800	
	181	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 135* Date *10 Dec 1911*  
 Machine. Reel. *201*  
 Turns Cor. + Depth *51 fms*  
 Shot or lead *E. 4. 67*  
 Bottom *gy. m. s.*  
 Bottom temperature *12.5*  
 No. of thermometer Cor.  
 Corrected temperature  
 Air *71* Surface *57* Drift *10'*  
 Trawl or dredge *20*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10.51</i>	<i>201 fms</i>	0	<i>10.42.30</i>	
<i>11.02</i>	<i>200</i>	100	<i>10.50.00</i>	<i>20.00</i>
<i>11.07</i>	<i>214</i>	200	<i>10.55.00</i>	<i>11.25.30</i>
<i>11.14</i>	<i>214</i>	300	<i>11.00.00</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Port. Fort. Light, S 82° 30' E, 7 8/10

0. 1873  
 3. 1873  
 10. 1873

Wind. 1873.

Fair, 1873.

St. 1873.

Bar. 28.12

Ther. 28.66

Centre 1873.

1873.

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4367 Date 16 Mar 04

Machine. Reel.

Turns 197 Cor. + 18 Depth 215Shot or lead 36 lbBottom gy. M.Bottom temperature 45.No. of thermometer 98242 Cor.

Corrected temperature

Air 76 Surface 60 DriftTrawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11.18.20</u>	<u>11.21.15</u>	0		
<u>19.00</u>	<u>23.55</u>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500	
187	167	2600	
3412	18	2700	
197		2800	
215		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *157. 425* Date *Dec. 14*

Machine. Reel.

Turns Cor. +

Depth *240 fms.*Shot or lead *(540 lbs.)*Bottom *Sandy mud*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *43°*Surface *54°*Drift *(0.79° W 1.0')*Trawl or dredge *8' Smith*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*12. 56. 30**12. 03. 30**12. 01. 00**11. 57. 50**11. 57. 00**12. 00. 00*



At some light, S 83° E, 8<sup>5</sup>/<sub>10</sub>'

56  
1000

Course on 10/10/10  
Fair, 10/10/10  
Lt. 10/10/10  
D. 10/10/10  
Ther. 10/10/10  
10/10/10  
10/10/10

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *F. 4365* Date *Nov. 11, 1904**Sigsbee* Machine. Reel.Turns *220* Cor. + *20* Depth *240 fms*Shot or lead *38 lbs*Bottom *gn m*Bottom temperature *43.8°*No. of thermometer *98242* Cor.

Corrected temperature

Air *73°* Surface *71°* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11.57.00* *12.04.30* 0*58.10* *12.03.00* 100*59.20* *12.02* 200*59.30* *12.02.30* 300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4112	185	2500	
3892	165	2600	
61	220	2700	
3892	240	2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4369* Date *Mar. 16, 1904*

*Sigsbee* Machine. Reel.

Turns *239* Cor. + *21* Depth *260 fms*

Shot or lead *36 lbs.*

Bottom *gn M*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *66°* Surface *60°* Drift *(JL 810 M) 1 1/10'*

Trawl or dredge *6' 15" beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>6 30</i>	<i>1. 11. 20</i>	0	<i>1. 04. 15</i>	<i>1-56-</i>
<i>1. 05. 30</i>	<i>1. 12. 30</i>	100	<i>1. 06. 45</i>	
<i>1. 17. 30</i>	<i>1. 13. 30</i>	200	<i>1. 09. 15</i>	
		300	<i>1. 12. 30</i>	<i>1. 40. 00</i>
		400	<i>1. 15. 45</i>	<i>1. 36. 15</i>
		500	<i>20 fms.</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

H. Lema Right. 5828 E. 10.0

		2500		
11.5		2600	4115	1.5
30.11"		2700	2.5	1.5
73.5		2800	3875	1.5
W. 3. 1-2		2900		2.5
South South West		3000		2.5
Light, 1/2		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *5119* Date *July 16 11**Sigsbee* Machine. Reel.Turns *261* Cor. + *23* Depth *284 fms*Shot or lead *36 lbs*Bottom *gy S + R*Bottom temperature *43°*No. of thermometer *98242* Cor.

Corrected temperature

Air *64°* Surface *59°* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>1. 42. 00</i>	<i>1. 50. 10</i>	0
<i>1. 43. 05</i>	<i>1. 49. 10</i>	100
<i>1. 44. 10</i>	<i>1. 48. 10</i>	200
<i>1. 44. 30</i>	<i>1. 47. 30</i>	300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

4112	155	2500	
21.1	162	2600	
38.51	23	2700	
10.0	251	2800	
10.0	284	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *114792*. Date *April 1st 1902*

*Tanner* Machine. Reel.

Turns *105* Cor. + *2* Depth *107*

Shot or lead *20 lbs.*

Bottom *gy. s.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *64°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.27.10</i>	<i>2.13.10</i>	0	<i>2.27.10</i>	
<i>7.00</i>	<i>2.10.10</i>	100		
<i>8.10</i>		200		
		300		
		400		
<i>2.15.00</i>	<i>1.17.40</i>	500		
		600		
		700		
<i>2.27.30</i>		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*KB.*

*Hy 4793 - 179/100*



Pt. Loma Light. S 89° E., 10<sup>8</sup>/<sub>10</sub>'

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	Pt Loma Light. S 89° E., 10 <sup>3</sup> / <sub>10</sub> '			
900				
1000				

REMARKS:

No. *Dr. 4370* Date *Mar. 16 '04*

Machine. Reel.

Turns *90* Cor. + *9* Depth *99 fms*

Shot or lead *36 lbs*

Bottom *gy. s. m.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *54°* Surface *59°* Drift *4 10'*

Trawl or dredge *3' beam trawl*

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

<i>2.17.00</i>	<i>2.34.00</i>	0	<i>2.27.00</i>	<i>2.34.00</i>
<i>2.18.00</i>	<i>2.35.00</i>	100	<i>2.28.00</i>	<i>2.35.00</i>
<i>2.19.00</i>	<i>2.36.00</i>	150	<i>2.29.00</i>	<i>2.36.00</i>
<i>2.20.00</i>	<i>2.37.00</i>	200	<i>2.30.00</i>	<i>2.37.00</i>
<i>2.21.00</i>	<i>2.38.00</i>	250	<i>2.31.00</i>	<i>2.38.00</i>
<i>2.22.00</i>	<i>2.39.00</i>	300	<i>2.32.00</i>	<i>2.39.00</i>
<i>2.23.00</i>	<i>2.40.00</i>	400	<i>2.33.00</i>	<i>2.40.00</i>
<i>2.24.00</i>	<i>2.41.00</i>	500	<i>2.34.00</i>	<i>2.41.00</i>
<i>2.25.00</i>	<i>2.42.00</i>	600	<i>2.35.00</i>	<i>2.42.00</i>
<i>2.26.00</i>	<i>2.43.00</i>	700	<i>2.36.00</i>	<i>2.43.00</i>
<i>2.27.00</i>	<i>2.44.00</i>	800	<i>2.37.00</i>	<i>2.44.00</i>
<i>2.28.00</i>	<i>2.45.00</i>	900	<i>2.38.00</i>	<i>2.45.00</i>
<i>2.29.00</i>	<i>2.46.00</i>	1000	<i>2.39.00</i>	<i>2.46.00</i>
<i>2.30.00</i>	<i>2.47.00</i>	1100	<i>2.40.00</i>	<i>2.47.00</i>
<i>2.31.00</i>	<i>2.48.00</i>	1200	<i>2.41.00</i>	<i>2.48.00</i>
<i>2.32.00</i>	<i>2.49.00</i>	1300	<i>2.42.00</i>	<i>2.49.00</i>
<i>2.33.00</i>	<i>2.50.00</i>	1400	<i>2.43.00</i>	<i>2.50.00</i>
<i>2.34.00</i>	<i>2.51.00</i>	1500	<i>2.44.00</i>	<i>2.51.00</i>
<i>2.35.00</i>	<i>2.52.00</i>	1600	<i>2.45.00</i>	<i>2.52.00</i>
<i>2.36.00</i>	<i>2.53.00</i>	1700	<i>2.46.00</i>	<i>2.53.00</i>
<i>2.37.00</i>	<i>2.54.00</i>	1800	<i>2.47.00</i>	<i>2.54.00</i>
<i>2.38.00</i>	<i>2.55.00</i>	1900	<i>2.48.00</i>	<i>2.55.00</i>
<i>2.39.00</i>	<i>2.56.00</i>	2000	<i>2.49.00</i>	<i>2.56.00</i>
<i>2.40.00</i>	<i>2.57.00</i>	2100	<i>2.50.00</i>	<i>2.57.00</i>
<i>2.41.00</i>	<i>2.58.00</i>	2200	<i>2.51.00</i>	<i>2.58.00</i>
<i>2.42.00</i>	<i>2.59.00</i>	2300	<i>2.52.00</i>	<i>2.59.00</i>
<i>2.43.00</i>	<i>3.00.00</i>	2400	<i>2.53.00</i>	<i>3.00.00</i>

PA Loma Light. N 88° E., 10.0'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D-4371* Date *Mar 16 1904*

Machine. Reel.

Turns *132* Cor. + *13* Depth *145*~~Shot or lead~~ *36 lbs*

Bottom

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *64°* Surface *59°* Drift *(552° 71' 4/10')*

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

	<i>5.07.20</i>	0	<i>3.12.00</i>	<i>3.42.20</i>
	<i>5.06.00</i>	100	<i>3.15.00</i>	<i>3.38.10</i>
	<i>5.04.25 96 - 10 = 106</i>	200	<i>3.18.00</i>	<i>3.35.00</i>
	<i>5.07.00 - 96 + 9 = 104</i>	<i>225</i>	<i>3.20.00</i>	<i>3.32.00</i>
	<i>5.10.00 - 127 + 11 = 118</i>	400		
	<i>5.12.00 - 122 + 18 = 140</i>	<i>445</i>	<i>3.20.00</i>	<i>3.30.00</i>
	<i>5.15.00 - 142 + 13 = 155</i>	600		
	<i>5.18.00 - 126 + 12 = 138</i>	700		
	<i>5.21.00 - 109 - 11 = 120</i>	800		
	<i>5.26.00 - 85 + 9 = 94</i>	900		
	<i>5.28.00 - 80 + 10 = 90</i>	1000		
	<i>5.30.00 - 80 + 10 = 90</i>	1100		
	<i>5.31.50 - 79 + 8 = 89</i>	1200		
	<i>33 81 + 8 = 89</i>	1300		
	<i>35 79 + 8 = 87</i>	1400		
	<i>37 81 + 8 = 89</i>	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*D-4371*

St. Louis Light, N 84° E, 9<sup>5</sup>/10'

		2500	
		2600	
25/10"		2700	176
30"		2800	172
		2900	13
		3000	122
		3100	118
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
at 3, 25		3800	
500		3900	
at 5, 55		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

4372, Date

Sigsbee

Machine.

Reel.

Turns 79 Cor. + 8

Depth 87 fms

Shot or lead 36 lbs

Bottom gy S. R.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 64 ° Surface 59

Drift 1 12/10'

Trawl or dredge 32' beam trawl

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

		0
<del>3. 40. 00 = 77 + 8 = 85</del>	<del>85</del>	<del>100</del>
3. 50. 00 = 79 + 8 = 87	87	200
3. 52. 15 = 89	89	300
54. 30 = 88	88	400
57. 00 = 86	86	500
57. 00 = 88	88	600
58. 00 = 85	85	700
58. 00 = 85	85	800
4. 05. 50 = 99	99	900
4. 08. 00 = 100	100	1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

St. Louis Light, N 82° 30' E, 7 1/10'

4114	185	2500
70	177	2600
4225	8	2700
70	77	2800
87	87	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 18.3

507.

No. Dr. 4373 Date 17 Mar. 04

Sigsbee Machine. Reel.

Turns 200 Cor. + 19 Depth 225 fms.

Shot or lead 36# 170 lbs.

Bottom Sn. M. R.

Bottom temperature —

No. of thermometer —

Cor.

Corrected temperature —

Air 60 Surface 59

Drift

{ Sigsbee  
1 1/10'

Trawl or dredge 8 Tangles.

am. SOUNDING WIRE.

DOWN.

UP.

TURNS.

am. DREDGE ROPE.

DOWN.

UP.

8.55.00	8.55.00	0
8.55.05	8.55.05	100
8.55.10	8.55.10	200
8.55.15	8.55.15	230
8.55.20	8.55.20	300
8.55.25	8.55.25	400
8.55.30	8.55.30	500
8.55.35	8.55.35	600
8.55.40	8.55.40	700
8.55.45	8.55.45	800
8.55.50	8.55.50	900
8.55.55	8.55.55	1000
8.56.00	8.56.00	1100
8.56.05	8.56.05	1200
8.56.10	8.56.10	1300
8.56.15	8.56.15	1400
8.56.20	8.56.20	1500
8.56.25	8.56.25	1600
8.56.30	8.56.30	1700
8.56.35	8.56.35	1800
8.56.40	8.56.40	1900
8.56.45	8.56.45	2000
8.56.50	8.56.50	2100
8.56.55	8.56.55	2200
8.57.00	8.57.00	2300
8.57.05	8.57.05	2400

9.24.00  
9.24.00  
17m  
Tangles commenced  
trawling at 9.24  
Trawl down  
to 225 fms  
Sigsbee

Dr. 4373.



Ph. Lowe Light, S 85° E, 9 3/10'

4172	185	2500
244	166	2600
244	14	2700
	20	2800
	22	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D-4374* Date *17 May 04**Sigsbee* Machine. Reel.Turns *85* Cor. + *5*Depth *90 fms.*Shot or lead *36 lb*Bottom *crs. S. Sh. R.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *59* Surface *59*Drift *S 8° W. 10'*Trawl or dredge *8 Tangles*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*2 fms. line, prop:**3 fms. line**10<sup>00</sup> - 10<sup>15</sup> am**15 min*

St. Louis Light, N 85° E., 9 8/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *200 4375* Date *17 Mar. 1901*

Smoother Machine. Reel.

Turns *80* Cor. + *8* Depth *88 fms*Shot or lead *36 lb*Bottom *crs S sh R*

Bottom temperature

No. of thermometer

Corrected temperature

Air *59* Surface *59* Drift *S. 70° E. 1/10'*Trawl or dredge *S. Trawl*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10.17.00</i>		<i>0</i>		
<i>11.00</i>		<i>100</i>		
<i>11.45</i>		<i>200</i>		
<i>12.30</i>		<i>300</i>		
<i>13.15</i>		<i>400</i>		
<i>28.00</i>	<i>87</i>	<i>500</i>		
<i>30.00</i>	<i>86</i>	<i>600</i>		
<i>32.00</i>	<i>86</i>	<i>700</i>		
<i>34.00</i>		<i>800</i>		
<i>36.00</i>		<i>900</i>		
<i>40.00</i>	<i>86</i>	<i>1000</i>		
<i>42.45</i>	<i>86</i>	<i>1100</i>		
<i>45.00</i>	<i>86</i>	<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
<i>2.15.15</i>		<i>1700</i>		
		<i>1800</i>		
<i>1.15.15</i>		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

St. Lawrence Light, N 81° E., 10' 10'

OK  
JCB  
2

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4376* Date *17/1/1901*

Sigsbee Machine. Reel.

Turns *—* Cor. + *—* Depth *—*Shot or lead *36 lb* *93 fms.*Bottom *gy S sh R*Bottom temperature *—*No. of thermometer *—* Cor. *—*Corrected temperature *—*Air *61* Surface *61* Drift *(57° 11' S 10' E)*Trawl or dredge *8 Trawl*

SOUNDING WIRE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>70.4</i>		0		<i>11.31.50</i>
<i>71.4</i>		100		
<i>72.4</i>		200		
<i>73.4</i>		300		
<i>74.4</i>		400		
<i>75.4</i>		500		
<i>04.15</i>	<i>1.04</i>	600		
<i>05.15</i>	<i>1.15</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Louis Light, N 86° 30' E, 10 2 10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. H. 4794. Date

Sixteen Machine. Reel.

Turns 93 Cor. + 9 Depth 102 fms.

Shot or lead 36X

*Bottom*

### Bottom-temperature

No. of thermometer

*Cor.*

Corrected-temperature

Air 62 Surface 60 Drift

*Frawl on dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
16.00	311 fms	0		
11.36.00	92 fms	100		
32.00	90 fms	200		
30	90 "	300		
30	89 "	400		
39.55	89 "	500		
41.00	88 "	600		
43.30	88 "	700		
45	88 "	800		
47.10	87 "	900		
49.00		1000		
51.00	88 "	1100		
52.30	88 "	1200		
54.50	88 "	1300		
56.50	88 "	1400		
58.40	89 "	1500		
00.30	90 "	1600		
02.20	96 "	1700		
04.40	102 "	1800		
06.50	105 "	1900		
		2000		
		2100		
		2200		
12.50 pm	85 fms	2300		
R		2400		



St. Lawrence Light. N 76° E. 85/10'

OK  
N 76° E.

See below

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	Hydrog. 4794			102 lines

REMARKS:

H. 4795

No.

H. 4796

Date

Mar. 17. '04

Machine.

Recl.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

not used

Cor.

Corrected temperature

Air

59°

Surface

60°

Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

1. 14. 00

0

94

100

1- 15. 00

1. 84

94

200

21. 30

94

300

23. 30

95

400

26. 00

95

500

29. 00

94

600

31. 00

92

700

33. 00

94

800

35. 00

95

900

37. 00

97

1000

39. 00

99

1100

41. 00

101

1200

43. 30

101

1300

1- 45. 00

103

1400

49. 15

103

1500

51. 30

103

1600

54. 00

105

1700

56. 00

105

1800

58. 00

98

1900

2. 00. 30

98

2000

2. 30

91

2100

5. 00

96

2200

7. 30

101

2300

10. 00

114

2400

H. Lane Light, N 67° E., 9 8/10' ✓  
 do N 63° E., 9 9/10' ✓

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *11* Date *May 10 1882*  
*Sigsbee* Machine. Reel.  
 Turns *116* Cor. + *11* Depth *127 fms*  
 Shot or lead *35*  
 Bottom *gy. M. S.*  
 Bottom temperature  
 No. of thermometer *not used* Cor.  
 Corrected temperature  
 Air *59* Surface *60* Drift *554° 71*  
*9/10'*  
 Trawl or dredge *8' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2.15.00* *2.18.00*

*2.16.00* *2.16.00*

*2.17.00* *2.17.00*

*2.18.00* *2.18.00*

*2.19.00* *2.19.00*

*2.20.00* *2.20.00*

*2.21.00* *2.21.00*

*2.22.00* *2.22.00*

*2.23.00* *2.23.00*

*2.24.00* *2.24.00*

*2.25.00* *2.25.00*

*2.26.00* *2.26.00*

*2.27.00* *2.27.00*

*2.28.00* *2.28.00*

*2.29.00* *2.29.00*

*2.30.00* *2.30.00*

*2.31.00* *2.31.00*

*2.32.00* *2.32.00*

*2.33.00* *2.33.00*

*2.34.00* *2.34.00*

*2.35.00* *2.35.00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*2.18.00*

*2.19.00*

*2.20.00*

*2.21.00*

*2.22.00*

*2.23.00*

*2.24.00*

*2.25.00*

*2.26.00*

*2.27.00*

*2.28.00*

*2.29.00*

*2.30.00*

*2.31.00*

*2.32.00*

*2.33.00*

*2.34.00*

*2.35.00*

*2.36.00*

*2.37.00*

*2.38.00*

*2.39.00*

*2.40.00*

*2.41.00*

*2.42.00*

*2.43.00*

*2.44.00*

*2.18.00*

*2.19.00*

*2.20.00*

*2.21.00*

*2.22.00*

*2.23.00*

*2.24.00*

*2.25.00*

*2.26.00*

*2.27.00*

*2.28.00*

*2.29.00*

*2.30.00*

*2.31.00*

*2.32.00*

*2.33.00*

*2.34.00*

*2.35.00*

*2.36.00*

*2.37.00*

*2.38.00*

*2.39.00*

*2.40.00*

*2.41.00*

*2.42.00*

*2.43.00*

*2.44.00*

St. Louis Light, N 57° E, 10<sup>2</sup>/10'

	2500	
W	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
12.22 to 12.31	3700	from 12.31
12.31	3800	12.31
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *31 4200* Date *Mar 11 1881**Sigsbee* Machine. Reel.Turns *275* Cor. + *24* Depth *299 fms*

Shot or lead

Bottom *gy. M. S.*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *59°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE *4200*

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4112	185	2500
275	161	2600
3857	24	2700
61	275	2800
200	299	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 478* Date *Aug 2 1881**Sigsbee* Machine. Reel.Turns *346* Cor. + *30* Depth *376*Shot or lead *36 lbs*Bottom *gn. m.*

Bottom temperature

No. of thermometer *111* Cor.

Corrected temperature

Air *61* Surface *58* Drift *{ S 84° W*Trawl or dredge *3' beam trawl*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>17.00</i>	<i>17.00</i>	0	<i>2. 34</i>	<i>4. 11.30</i>
<i>2. 15.00</i>	<i>2. 15.00</i>	100	<i>2. 50.00</i>	<i>4. 00.00</i>
<i>2. 30.00</i>	<i>2. 30.00</i>	200	<i>3. 00.00</i>	<i>3. 54.55</i>
<i>2. 45.00</i>	<i>2. 45.00</i>	300	<i>3. 10.45</i>	<i>4. 01.30</i>
<i>2. 55.00</i>	<i>2. 55.00</i>	400	<i>3. 14.30</i>	<i>4. 01.00</i>
<i>3. 05.00</i>	<i>3. 05.00</i>	500	<i>3. 18.15</i>	<i>3. 54.00</i>
<i>3. 15.00</i>	<i>3. 15.00</i>	600	<i>3. 11.30</i>	<i>3. 50.00</i>
<i>3. 25.00</i>	<i>3. 25.00</i>	700	<i>3. 05.00</i>	<i>3. 45.00</i>
<i>3. 35.00</i>	<i>3. 35.00</i>	800	<i>2. 58.30</i>	<i>3. 40.00</i>
<i>3. 45.00</i>	<i>3. 45.00</i>	900	<i>2. 52.00</i>	<i>3. 35.00</i>
<i>3. 55.00</i>	<i>3. 55.00</i>	1000	<i>2. 45.30</i>	<i>3. 30.00</i>
<i>4. 05.00</i>	<i>4. 05.00</i>	1100	<i>2. 39.00</i>	<i>3. 25.00</i>
<i>4. 15.00</i>	<i>4. 15.00</i>	1200	<i>2. 32.30</i>	<i>3. 20.00</i>
<i>4. 25.00</i>	<i>4. 25.00</i>	1300	<i>2. 26.00</i>	<i>3. 15.00</i>
<i>4. 35.00</i>	<i>4. 35.00</i>	1400	<i>2. 19.30</i>	<i>3. 10.00</i>
<i>4. 45.00</i>	<i>4. 45.00</i>	1500	<i>2. 13.00</i>	<i>3. 05.00</i>
<i>4. 55.00</i>	<i>4. 55.00</i>	1600	<i>2. 06.30</i>	<i>3. 00.00</i>
<i>5. 05.00</i>	<i>5. 05.00</i>	1700	<i>2. 00.00</i>	<i>2. 55.00</i>
<i>5. 15.00</i>	<i>5. 15.00</i>	1800	<i>1. 53.30</i>	<i>2. 50.00</i>
<i>5. 25.00</i>	<i>5. 25.00</i>	1900	<i>1. 47.00</i>	<i>2. 45.00</i>
<i>5. 35.00</i>	<i>5. 35.00</i>	2000	<i>1. 40.30</i>	<i>2. 40.00</i>
<i>5. 45.00</i>	<i>5. 45.00</i>	2100	<i>1. 34.00</i>	<i>2. 35.00</i>
<i>5. 55.00</i>	<i>5. 55.00</i>	2200	<i>1. 27.30</i>	<i>2. 30.00</i>
<i>6. 05.00</i>	<i>6. 05.00</i>	2300	<i>1. 21.00</i>	<i>2. 25.00</i>
<i>6. 15.00</i>	<i>6. 15.00</i>	2400	<i>1. 14.30</i>	<i>2. 20.00</i>



Pt. Lons Cape, N 57° E, 11.0'

	2500		
11	2600	4112	185
	2700	346	155
	2800	3766	3
	2900		346
	3000		376
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E 4378* Date *Mar. 10**Sigsbee* Machine. Reel.Turns *548* Cor. + *46* Depth *594*Shot or lead *36 lbs*Bottom *(Lead lost), not ascertained*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *61°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE. *Am.*

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*1. 14.10 21.30**2. 30.30**3. 47.10**4. 51.10**5. 59.10**6. 1.00**7. 1.30**8. 2.00**9. 2.30**10. 3.00**11. 3.30**12. 4.00**13. 4.30**14. 5.00**15. 5.30**16. 6.00**17. 6.30**18. 7.00**19. 7.30**20. 8.00**21. 8.30**22. 9.00**23. 9.30**24. 10.00**25. 10.30**26. 11.00**27. 11.30**28. 12.00*

4112  
 545  
 3864  
 OK  
 500

185	2500
135	2600
46	2700
545	2800
500	2900
	3000
	3100
	3200
	3300
	3400
	3500
	3600
	3700
	3800
	3900
	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 31.0

No. 1377 Date 18 Mar. 04.

Sigsbee Machine. Reel.

Turns 236 Cor. + 21

Depth

Shot or lead 35

Bottom gy S. bu

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 62

Surface 57

Drift

SE 410 N  
5/10'

Trawl or dredge

8' Trawl

SOUNDING WIRE.

DOWN.	UP.
0.14.30	0.19.20
0.15.00	0.18.50
0.15.30	0.18.20
0.16.00	0.17.50
0.16.30	0.17.20
0.17.00	0.16.50
0.17.30	0.16.20
0.18.00	0.15.50
0.18.30	0.15.20
0.19.00	0.14.50
0.19.30	0.14.20
0.20.00	0.13.50
0.20.30	0.13.20
0.21.00	0.12.50
0.21.30	0.12.20
0.22.00	0.11.50
0.22.30	0.11.20
0.23.00	0.10.50
0.23.30	0.10.20
0.24.00	0.09.50
0.24.30	0.09.20
0.25.00	0.08.50
0.25.30	0.08.20
0.26.00	0.07.50
0.26.30	0.07.20
0.27.00	0.06.50
0.27.30	0.06.20
0.28.00	0.05.50
0.28.30	0.05.20
0.29.00	0.04.50
0.29.30	0.04.20
0.30.00	0.03.50
0.30.30	0.03.20
0.31.00	0.02.50
0.31.30	0.02.20
0.32.00	0.01.50
0.32.30	0.01.20
0.33.00	0.00.50
0.33.30	0.00.20
0.34.00	0.00.00

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN.	UP.
9.00.00	0.14.30
12.30	0.14.00
15.00	0.13.30
17.30	0.13.00
20.00	0.12.30
22.30	0.12.00
25.00	0.11.30
27.30	0.11.00
30.00	0.10.30
32.30	0.10.00
35.00	0.09.30
37.30	0.09.00
40.00	0.08.30
42.30	0.08.00
45.00	0.07.30
47.30	0.07.00
50.00	0.06.30
52.30	0.06.00
55.00	0.05.30
57.30	0.05.00
60.00	0.04.30
62.30	0.04.00
65.00	0.03.30
67.30	0.03.00
70.00	0.02.30
72.30	0.02.00
75.00	0.01.30
77.30	0.01.00
80.00	0.00.30
82.30	0.00.00

S. H., North Channel H., N 53° 30' E, 2 1/10'

4112	105	2500	
330	16.0	2600	
3376	21	2700	
Com...		2800	
On ...		2900	
Lt ...		3000	
P. ...		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4379.* Date *18 Mar. 04.**Sigsbee* Machine. Reel.Turns *376* Cor. + *32* Depth *408 fms.*~~Shot or lead~~ *35 lb*Bottom *gn. M. bk.*Bottom temperature *41.1*No. of thermometer *98242* Cor.

Corrected temperature

Air *62* Surface *59* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>0.46.5</i>		0		
<i>0.47.10</i>		100		
<i>0.47.20</i>		200		
<i>0.47.30</i>		300		
<i>0.47.40</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	152	2500	
376	153	2600	
3736	37	2700	
61	376	2800	
100	408	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:





S. Pt., North Channel St. Mary's E. 2 5/10'

411	18	2500	
458	144	2600	
3123	41	2700	
66	524	2800	
530		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E. 4300* Date *18 Dec. 04*

Sigsbee Machine. Reel.

Turns *570* Cor. + *48* Depth *fms.*Shot or lead *35 lb*Bottom *gy. M.*Bottom temperature *38.6*No. of thermometer *98242* Cor.

Corrected temperature

Air *73* Surface *60* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.52.05</i>		0		
<i>51.00</i>	<i>6.00</i>	100		
<i>51.00</i>		200		
<i>51.00</i>		300		
<i>51.00</i>		400		
<i>51.00</i>		500		
<i>10.52.05</i>		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500	
551	137	2600	
3542	68	2700	
616	57	2800	
508	619	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *Am. Ki*

No. *D. 4381.* Date *18 Mar. 1904*

Machine. Reel.

Turns Cor. + Depth *618 fms.*

Shot or lead *35#* (E. 4380 is initial sdy for this station)  
Bottom  
Bottom temperature

No. of thermometer Cor.

Corrected temperature *86.40 W*

Air *73* Surface *60* Drift *14/10'*

Trawl or dredge *8' Tr. as before.*

am. SOUNDING WIRE.		TURNS.	am. DREDGE ROPE. <i>See</i>	
DOWN.	UP.		DOWN.	UP.
<i>Intermediate</i>		0	<i>11.26.00</i>	<i>1.07.00</i>
<i>Sdy, Sigbee:</i>		100	<i>29.00</i>	<i>1.03.00</i>
<i>11.35.00 - 654 fms.</i>		200	<i>31.45</i>	<i>1.00.00</i>
<i>47.00</i>		300	<i>34.30</i>	<i>12.57.00</i>
<i>Sandy Sigbee - 35 lb</i>		400	<i>36.40</i>	<i>12.54.00</i>
<i>11.58.00 12.</i>		500	<i>39.00</i>	<i>12.50.30</i>
<i>639 + 53 = 692 fms.</i>		600	<i>41.10</i>	<i>12.46.00</i>
<i>12.15.00 = 667 "</i>		700	<i>43.15</i>	<i>12.41.30</i>
<i>End of 4381 -</i>		800	<i>45.15</i>	<i>12.37.00</i>
<i>Sigbee 35 lb</i>		850	<i>11.46.30</i>	<i>12.34.00</i>
<i>11.30.00 - 11.48.30</i>		900		
<i>= 18 1/2 min.</i>		1000	<i>time but 47 1/2 "</i>	
<i>11.52 over again</i>		1100		
<i>in at 12.35</i>		1200	<i>Heavy, but even</i>	
<i>= 43 min.</i>		1300	<i>strain - hove in</i>	
		1400	<i>slowly (order Capt)</i>	
		1500		
		1600	<i>Small haul</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

S. Pt., North Coronado Id., N 64° E., 4.0'

<p>OK</p> <p>W.D. Course - West</p> <p>Clear and cloudy</p> <p>St. breeze from</p> <p>Bar. 30.18</p> <p>Therm. 63</p> <p>1 Pea gull</p> <p>Smooth sea,</p>	2500	
	2600	
	2700	
	2800	for bank over 100.
	2900	N.W.
	3000	
	3100	
	3200	
	3300	small.
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4382 Date Mar. 18-04

Sigsbee Machine. Reel.

Turns 605 Cor. + 51 Depth 656 fm

Shot or lead 35 lbs

Bottom gn M

Bottom temperature see E. Samding this page

No. of thermometer not used Cor.

Corrected temperature

Air 74° Surface 61° Drift } 1 3/10'

Trawl or dredge Blake 10' with tail weight Sinkers can

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 11.00.00	1. 21.00	0	1. 15.00	27
1. 11.00	1. 19.50	100	1. 18.00	27 30
1. 11.50	1. 19.00	200	21.00	21.00
1. 12.50	1. 18.00	300	23.30	18.20
1. 13.00	1. 17.00	400	25.30	14.45
1. 14.00	1. 16.00	500	28.00	11.30
1. 15.00	1. 15.10	600	30.30	7.30
Intermediate Sounding		700	32.30	2.04.15
1. 32.00		800	34.40	2.00.30
593 + 49 = 642 fm		900	1. 36.40	1.56.40
1. 47.00		1000	time	20 m
610 + 51 = 661 fm		1100		
2. 02.00		1200		
615 + 51 = 666 fm		1300		
Temperature 2.5°		1400		
gn M		1500		
Therm. 98.2 x 2		1600		
		1700		
		1800		
		1900		
End of Dr 4382		2000		
		2100		
		2200		
		2300		
		2400		

S. Pt., North Coronado Is., N 64° E, 5 4/10'

Course W (Capt)

Bar 30.14"

Therm at 62° (Fahrenheit)

W. Weather same

all else same as 4381

no animal life in sight

	4112	185
2 glass floaters	605	134
	3507	51
		605
		656

uncomplicated steam

9 - 30 3

Surface Tow Net

over at 1.30

in at 1.56

time out 26 min

Townsend Self-Deploying Net

down to 2.00 fms at 1.58

Began hauling in at 2.06

hove in to 100 fms, down messenger at 2.13

and hoisted in Townsend at 2.15

onboard 2.20 pm

Sent down large Plankton on same line

at 100 fms above the Townsend

Began hauling in at 2.06

Plankton onboard at 2.12